

WHAT IS CLAIMED IS :

1. A chuck assembly in which a rotary sleeve provided on a body is rotated, jaws engaged with rotary nuts are moved back and forth to be opened and closed by the rotation of the rotary nut rotated together with the rotary sleeve and a tool is clamped by the jaws, characterized in that a ring member is provided in the rotary nuts, a convex and concave engaging means is provided between the ring member and the rotary sleeve, and the ring member and the rotary sleeve are retained and prevented from falling apart from each other by the convex and concave engaging means.

2. The chuck assembly according to claim 1, wherein an annular assembly including divided nut elements is used as the rotary nuts and the ring member is used for holding a shape of the divided nuts.

3. The chuck assembly according to claim 1 or 2, wherein said convex and concave engaging means comprises a concave portion provided in a circumferential surface of the rotary sleeve and a linear projection provided in the ring member and fitted and retained with the concave portion.

4. The chuck assembly according to claim 3, wherein the concave portion comprises at least one of a groove and a window.

5. The chuck assembly according to claim 1 or 2, wherein said convex and concave engaging means comprises a U-shaped window in side elevation composed of a circumferential groove provided in a circumferential surface of the rotary sleeve made of synthetic resin and longitudinal grooves contiguous with both ends of the circumferential groove, and a linear projection provided in the ring member made of metal, fitted and retained with the circumferential groove of the window, and extending in the circumferential direction of the ring member.

6. The chuck assembly according to claim 1 or 2, wherein the convex and concave engaging means provided in the rotary sleeve is provided in a predetermined angular position or the same angular position as viewed from the backside of the rotary sleeve with respect to a convex and concave engaging portion for rotating the rotary nuts and the rotary sleeve together.

7. The chuck assembly according to claim 3, wherein the convex and concave engaging means provided in the rotary sleeve is provided in a predetermined angular position or the same angular position as viewed from the backside of the rotary sleeve with respect to a convex and concave engaging portion for rotating the rotary nuts and the rotary sleeve together.

8. The chuck assembly according to claim 4, wherein the convex and concave engaging means provided in the rotary sleeve is provided in a predetermined angular position or the same angular position

as viewed from the backside of the rotary sleeve with respect to a convex and concave engaging portion for rotating the rotary nuts and the rotary sleeve together.

9. The chuck assembly according to claim 5, wherein the convex and concave engaging means provided in the rotary sleeve is provided in a predetermined angular position or the same angular position as viewed from the backside of the rotary sleeve with respect to a convex and concave engaging portion for rotating the rotary nuts and the rotary sleeve together.